

# Challenge Presentation

## Web Content Management Systems

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# OUTLINE

## MEDI AWIKI

# Installation

# Setup Wiki

# LDAP

# DRUPAL

# Installation

# Database

# Setup

# LDAP

# BUGZILLA

# Installation

# Database

# Setup

Add product

# TRAC

# Installation



# INSTALLATION I

```
Install Mediawiki

> apt-get install mediawiki

/etc/apache2/sites-available/default

DocumentRoot /var/www
Include /etc/mediawiki/apache.conf

/etc/mediawiki/apache.conf

# Uncomment this to add an alias.
Alias /mediawiki /var/lib/mediawiki

Restart Apache

> service apache2 restart
```



# SETUP WIKI II

User account for installation

Database username:

root

?

[help](#)

Database password:

.....

?

[help](#)

← Back

Continue →

Database settings

Database account for web access

Use the same account as for installation

Storage engine:

InnoDB

MyISAM

[help](#)

Database character set:

Binary

UTF-8

[help](#)

Language

Existing wiki

Welcome to MediaWiki!

Connect to database

Upgrade existing installation

Database settings

Name

Options

Install

Complete!

Restart installation

← Back

Continue →

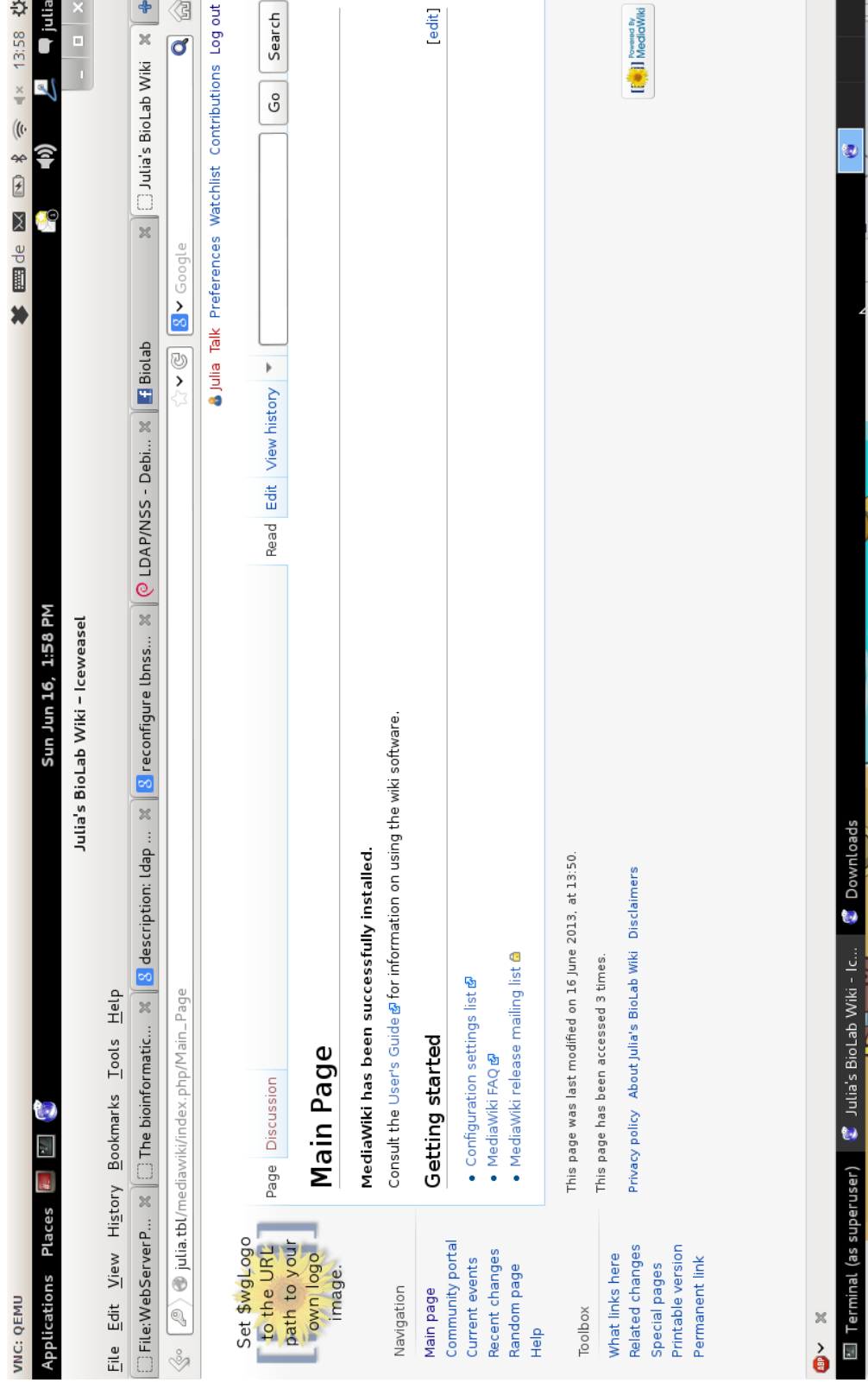






# FINISH SETUP WIKI II

# Login!



# SETTINGS I

Copy your new logo

```
> mv newLogo.png  
/var/lib/mediawiki/skins/common/images/newLogo.png
```

[/etc/mediawiki/LocalSettings.php](#)

```
#only users can change pages
$wgGroupPermissions['*']['edit'] = false;
$wgGroupPermissions['users']['edit'] = true;
$wgLogo = $wgStylePath/common/images/newLogo.png
```



# LDAP WITH SQUEEZE I

## Installation

- > apt-get install mediawiki-extensions-ldapauth
- > mwenext LdapAuthentication.php

[/etc/mediawiki/LocalSettings.php](#)

```
# Enable LDAP authentication
# require_once( "/etc/mediawiki-extensions/extensions-
available/LdapAuthentication.php" );
$wgAuth=new LdapAuthenticationPlugin();
$wgLDAPDomainNames = array("LDAPdomain");
$wgLDAPServerNames = array("LDAPdomain" =>
"localhost");
$wgLDAPSearchStrings = array("LDAPdomain" =>
"uid=USER-NAME,ou=people,dc=tbl");
```



# LDAP WITH WHEEZY II

[/etc/mediawiki/LocalSettings.php](/mediawiki/LocalSettings.php)

```
# Enable LDAP authentication
$wgLDAPDebug = 0;
$wgDebugLogGroups['ldap'] = '/tmp/debug.log';
$wgAuth = new LdapAuthenticationPlugin();
$wgLDAPDomainNames = array('julia.tbl');
$wgLDAPServerNames = array('julia.tbl' => 'julia.tbl localhost
127.0.0.1');
$wgLDAPSearchStrings = array('julia.tbl' =>
'uid=USER-NAME,ou=people,dc=tbl');
$wgLDAPEncryptionType = array('julia.tbl' => 'clear');
$wgLDAPUseLocal = true;
$wgMinimalPasswordLength = 1;
```



# INSTALLATION I

## Download and move to right folder

```
> wget http://ftp.drupal.org/files/projects/drupal-7.22.tar.gz
> tar vxzf drupal-7.22.tar.gz
> mv drupal-7.22 /var/www/drupal
```

## Set owner and rights

```
> chown -R www-data.www-data /var/www/drupal/
> chmod -R 650 /var/www/drupal/sites/default
> cd /var/www/drupal/sites/default
> cp ./default.settings.php settings.php
> cd /var/www/drupal/
> chmod 777 sites/default
> chmod 777 sites/default/*
```





# SETUP DRUPAL II

Finished

## Database type\*\*

- © MySQL, MariaDB, or equivalent

The type of database your Drupal data will be stored in. Your PHP configuration only supports a single database type, so it has been automatically selected.

## Database name\*\*

DrupalDB

The name of the database your Drupal data will be stored in. It must exist on your server before Drupal can be installed.

## Database username\*

druper

## Database password

Downloaded from <http://ajph.org/> on November 10, 2015

# SETUP DRUPAL III

## Configure site



- ✓ Choose profile
- ✓ Choose language
- ✓ Verify requirements
- ✓ Set up database
- ✓ Install profile
- ▶ **Configure site**

Finished

SITE INFORMATION

Site name \*

Julia's Drupal

Site e-mail address \*

julia@julia.tblll

Automated e-mails, such as registration information, will be sent from this address. Use an address ending in your site's domain to help prevent these e-mails from being flagged as spam.

SITE MAINTENANCE ACCOUNT

Username \*

julia

Spaces are allowed; punctuation is not allowed except for periods, hyphens, and underscores.

E-mail address \*

julia@julia.tbl

Password \*

\*\*\*\*\*

Password strength: Strong

Confirm password \*

\*\*\*\*\*

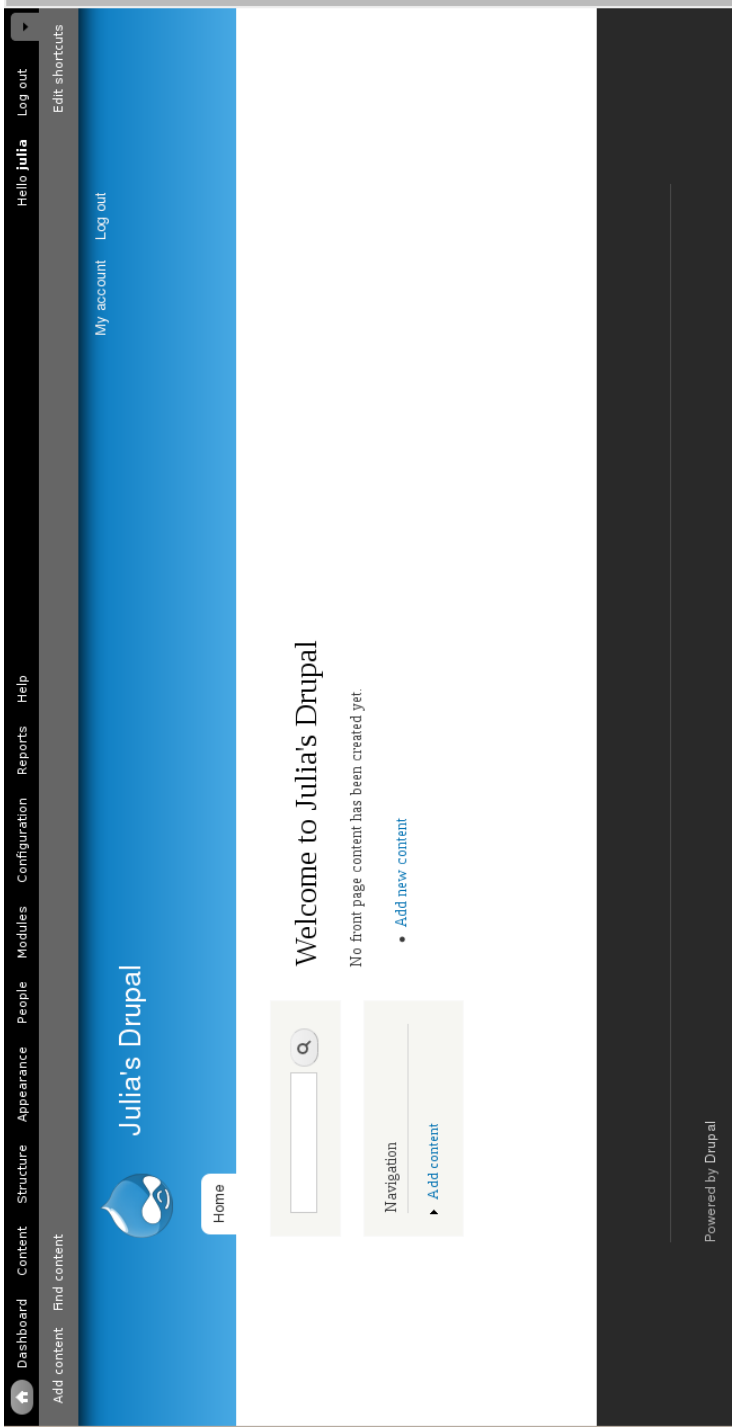
Passwords match: yes



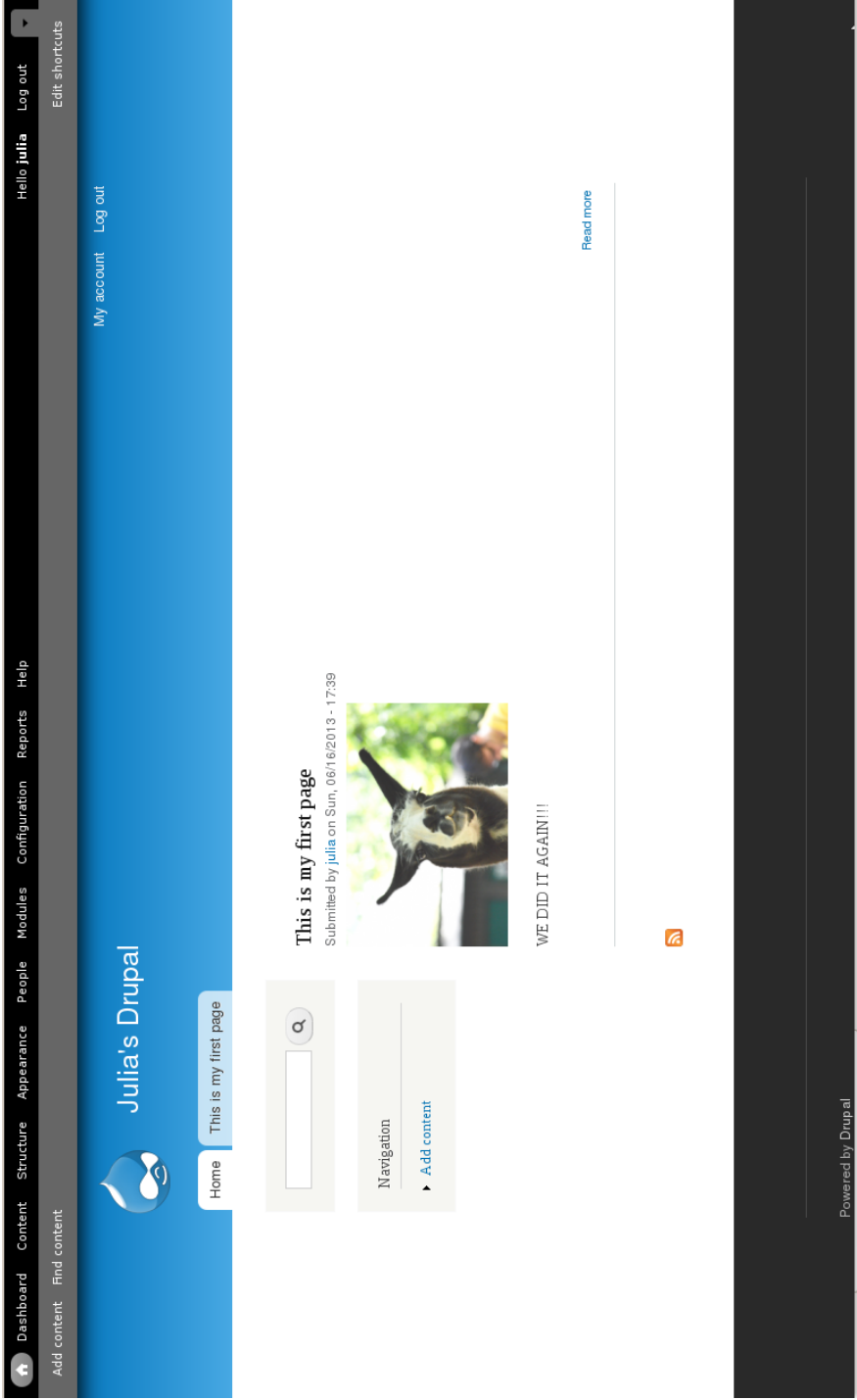


# SETUP DRUPAL VI

Login!



# SETUP DRUPAL VII







MEDIAWIKI	DRUPAL	BUGZILLA	TRAC
oooooooooooo	oooooooooooo	oooooooooooo	oo



# INSTALLATION WITH SQUEEZE I

# Installation with Squeeze

```
> apt-get install bugzilla3
```

# INSTALLATION WITH WHEEZY I

Download and move to right folder

```
> wget
http://ftp.mozilla.org/pub/mozilla.org/webtools/bugzilla-
4.4.tar.gz
> tar xvfz bugzilla-4.4.tar.gz
> mv bugzilla-4.4 /var/www/bugzilla
```

# INSTALLATION WITH WHEEZY II

## Install perl modules

```
> ./checksetup.pl --check-modules
#There are a lot of modules missing, therefore:
> ./install-module.pl --all
#Run checksetup again without an argument. This will create a
localconfig file
> ./checksetup.pl
```

</var/www/bugzilla/localconfig>

```
#change $db_pass
$db_pass = 'yourverysecretPW';
#change $webservergroup
$webservergroup = 'www-data';
```

# SET UP BUGZILLA DATABASE I

## Set up Bugzilla database

```
> mysql -u root -p
#type in password for user root
mysql > CREATE DATABASE bugs;
mysql > CREATE USER 'bugs'@'localhost' IDENTIFIED BY
'yourverysecretPW';
mysql > GRANT SELECT, INSERT, UPDATE, DELETE,
CREATE, DROP, INDEX, ALTER ON bugs. * TO
bugs@localhost;
mysql > exit;
```

# SET UP BUGZILLA DATABASE II

```
To create tables, setup rights and administrator

> ./checksetup.pl
Looks like we don't have an administrator set up yet. Either this is
your first time using Bugzilla, or your administrator's privileges
might have accidentally been deleted.
Enter the e-mail address of the administrator:
julia.rackerseder@campus.lmu.de
Enter the real name of the administrator: Julia Rackerseder
Enter a password for the administrator account:
Please retype the password to verify:
```



# ADD PRODUCT AND COMPONENTS I

[julia.tbl/bugzilla/admin.cgi](#)

Products → Add a product



### ADD PRODUCT AND COMPONENTS III

Product:

Tree

Description:

In botany, a tree is a plant with an elongated stem, or trunk, supporting leaves or branches.

Open for bug entry:

☒

Enable the UNCONFIRMED status in this product:

☒

Edit components:

Root: The root is the organ of a tree that typically lies below the surface of the soil. It is best defined as the non-leaf, non-nodes bearing parts of the plant's body.

Edit versions:

1.0

Edit Group Access Controls:

no groups

Bugs:

0

Save Changes

Edit [other products](#):

Edit component...	Description	Default Assignee	Default CC list	Active	Action
<a href="#">Branch</a>	A branch is a woody structural member connected to but not part of the central trunk of a tree.	julia.rackerseder@campus.lmu.de		Yes	<a href="#">Delete</a>
<a href="#">Leaf</a>	Typically a leaf is a thin, flattened organ borne above ground and specialized for photosynthesis, but many types of leaves are adapted in ways almost unrecognisable in those terms.	julia.rackerseder@campus.lmu.de		Yes	<a href="#">Delete</a>
<a href="#">Root</a>	The root is the organ of a tree that typically lies below the surface of the soil. It is best defined as the non-leaf, non-nodes bearing parts of the plant's body.	julia.rackerseder@campus.lmu.de		Yes	<a href="#">Delete</a>
<a href="#">Trunk</a>	In botany, trunk refers to the main wooden axis of a tree[1] that supports the branches and is directly attached to and supported by the roots.	julia.rackerseder@campus.lmu.de		Yes	<a href="#">Delete</a>





# INSTALLATION I

```
Installation

> apt-get install trac python-mysqldb
```

```
Database

> mysql -u root -p
#type in password for user root
mysql > CREATE DATABASE trac DEFAULT CHARACTER
SET utf8 COLLATE utf8_bin;
mysql > GRANT ALL ON trac.* TO tracuser@localhost
IDENTIFIED BY 'password';
mysql > exit;
```

